

Jackson County Sheriff's Depot

Medford, Oregon

ArcSine Engineering performed mechanical, electrical and plumbing design services (MEP) for the Jackson County Sheriff's Depot in Medford, Oregon. The project consisted of a remodel of two existing buildings (40,000 square feet Main Building; 6,700 square feet Evidence Building). These essential services buildings house the following:

Services and Equipment Areas

- Sheriffs Department
- 911 Backup Call Center
- Interview Rooms
- Workout Areas
- Offices
- Showers
- Conference Rooms
- Briefing Rooms

Enclosed Storage Bays for:

- SWAT Vehicles
- Operations Trailer
- Communications Trailer
- Sleeper Trailer
- Refrigeration Trailer
- Helicopter

In addition, the design included an auxiliary evidence building with designated areas for evidence processing, storage, and vehicle processing.

ArcSine Engineering's design services for this project consisted of the following:

- Detailed site field investigation
- Field investigation of other Sheriff facilities
- Preparation of demolition drawings
- HVAC design utilizing Mitsubishi City Multi units
- Plumbing design
- Design of a sewer lift station to serve both buildings
- Design of a standby generator with a 2-week fuel storage capacity
- Design of an automatic transfer switch
- Design of a manual transfer switch for a portable generator
- Design of new electrical service and distribution system
- Design of a data network system
- Design of special power/data connection points for vehicles (SWAT, operations trailer, communications trailer, refrigerator trailer, and sleeper trailer)
- Design of energy-efficient lighting and controls
- Complete engineering Services During Construction

Electrical
Mechanical
Electrical SDC
Mechanical SDC
Plumbing

